

ABSTRACT

A system and a method for prediction and treatment of all kinds of slugs
5 being formed in a flow line system or wellbore tubing transporting a multiphase fluid
towards a downstream process including a separator or a slug catcher at the
process inlet. The system includes a slug detector (1) located downstream of the
point for slug initiation and upstream of the process and a computer unit (4)
10 integrating the flow line system and the downstream process including software
which determines the type of the slug, its volume and predicts its arrival time into
the downstream process. The computer unit processes all its incoming data to
obtain an optimum regulation of the process so that process perturbations due to
incoming slugs are reduced to a minimum through the process.